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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 4th February 1978

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated 12th November 1977, in page 933, Column 2, under the heading "Opposition Proceedings" line 1 *for* "Radio Foundation Engineering Limited and Hazarat and Company" *read* "Rodio Foundation Engineering Limited and Hazarat and Company".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

29th December 1977

1779/Cal/77. Montedison S.p.A. Process for the tanning of hides.

1780/Cal/77, Bunker Ramo Corporation. Insulation-piercing contact.

1781/Cal/77. Explosafe S. A. Anti-Explosion filler masses.

1782/Cal/77. Bethlehem Steel Corporation. Improvement in the method of treating ferrous strand by hot dip coating procedure. [Addition to No. 138036].

1783/Cal/77. Cummins Engine Company, Inc. Timing mechanism for a fuel supply system.

1784/Cal/77. Chinoin Gyogyszer-ES Vegyeszeti Termekek Gyara RT. Isoquinoline-Acetamido derivatives.

1785/Cal/77. Richter Gedeon Vegyeszeti Gyar RT. New indoloquinolizine-monoesters, diesters or nitriles and a process for the preparation thereof.

30th December 1977

1786/Cal/77. Subodh Ghose Dastidar. Electric arc welding holder.

1787/Cal/77. Festo-Maschinenfabrik Gottlieb Stoll. Fluid transfer apparatus.

1787/Cal/77. Festo-Maschinenfabrik Gottlieb Stoll. Fluid for the preparation of nitrous oxide.

1789/Cal/77. IMS Limited. Novel indwelling catheter.

1790/Cal/77. IMS Limited. Laryngotracheal syringe.

1791/Cal/77. H. H. Sookias and W. R. Helms. Method and apparatus for supporting a load-bearing access device.

1792/Cal/77. Dr. O. A. Bucker. Structural element. [Divisional date February 25, 1975].

31st December 1977

1793/Cal/77. Veb Jenapharm. Process for the manufacture of new gona-4, 9(10)-dienes.

2nd January 1978

1/Cal/78. Dr. Tarapada Mukherjee. Improved device for turning and aerating composting materials.

2/Cal/78. RCA Corporation. Passivating a PN junction surface intercept.

3/Cal/78. RCA Corporation. Multi-layer passivation structure and method of fabricating same.

4/Cal/78. Chicago Pneumatic Tool Company. Hydraulic powered rock drill.

5/Cal/78. Globe-Union Inc. Ladle gate.

6/Cal/78. Siemens Aktiengesellschaft. Control device for thyristor-fed D.C. motor.

7/Cal/78. Siemens Aktiengesellschaft. Assembly for receiving a plurality of printed circuit boards.

8/Cal/78. V. MacMull, C. Macmull and R. C. Sopher. Improved gas burners and method of manufacturing the same.

3rd January 1978

9/Cal/78. Nadella. Steering head set assembly. (December 15, 1977).

10/Cal/78. Orissa Cement Limited. Method of manufacturing high alumina refractories.

11/Cal/78. Siemens Aktiengesellschaft. Combined stabiliser Composition.

12/Cal/78. International Power Technology. Pressure staged heat exchanger.

13/Cal/78. Keroy Pvt. Ltd. A weighing apparatus.

4th January 1978

14/Cal/78. Veba-Chemie Aktiengesellschaft. Absorbent and its formation from carbon black pellets.

15/Cal/78. Societa Italiana Telecomunicazioni Siemens S.p.A. Ceilling statical generator for telecommunication systems.

16/Cal/77. Envirotech Corporation. Thickening device and method.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

17th December 1977

465/Del/77. R. Singh, M. Singh, P. Singh and Smt. Jaswant Kaur. "Mukhson" Helmet lock arrangement.

466/Del/77. Bharat Heavy Electricals Limited. Isolated phase busducts.

467/Del/77. Bharat Heavy Electricals Limited. Isolated phase busducts.

468/Del/77. Bharat Heavy Electricals Limited. An electrical conductor.

469/Del/77. Bharat Heavy Electricals Limited. A device for the measurement of high voltage line currents.

470/Del/77. Bharat Heavy Electricals Limited. Electrical vacuum fuses.

471/Del/77. Mr. K. C. Jain. A coated paper.

472/Del/77. K. C. Jain. A process for the manufacture of coating paper.

473/Del/77. Mr. K. C. Jain. A coated paper.

474/Del/77. National Research Development Corporation of India. A pump.

475/Del/77. Mr. B. Mehra. An apparatus for the manufacture of a bifocal lens and a process therefor.

476/Del/77. Dr. Subash Chandra Bose. A transmitter and receiver.

477/Del/77. Mr. K. V. Anand. An electronic scanner.

478/Del/77. Mr. S. M. A. Maruthia. Animal drawn vehicles.

479/Del/77. Mr. Nripendranath Chakravarti. A tower.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

5th December 1977

337/Bom/77. Manohar Industries. An improved building construction.

338/Bom/77. Manohar Industries. A device for delivering water from a higher level to a lower level.

339/Bom/77. Manohar Industries. A device for conveying water from a higher level to a lower level.

340/Bom/77. Manohar Industries. A structural device for conveying water.

7th December 1977

341/Bom/77. B. S. Patel. An improved pilfer-proof cap.

8th December 1977

342/Bom/77. J. N. Gadre. A fully electromagnetic zero phase sequence relay to protect a three phase motor against phase failure, sequence reversal and weak earth.

343/Bom/77. V. R. Shah. A novel means for affixing photos to albums.

9th December 1977

344/Bom/77. Dr. K. V. Datye and Mrs. Padmavati Keshav Datye. Process for making powders.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

20th December 1977

193/Mas/77. E.I.D. Parry (India) Ltd. Improvements in or relating to flush cisterns.

21st December 1977

194/Mas/77. Cobim (Private) Limited. Improvements in or relating to storage batteries.

23rd December 1977

195/Mas/77. P. I. Mohandas. Gas monitoring apparatus.

24th December 1977

196/Mas/77. Mr. M. Shanmugam. Improved cigarette-cum-match box.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patent Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect or each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shanker Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisiton for the supply of the printed specifications should be accompanies by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescriebd copying charges which may be as certained on application to that office.

CLASS 205G & 205H. 143775.
Int. Cl.-B60c 7/00.

A WHEEL MOUNTED FLAT FREE TIRE AND A METHOD OF PRODUCING THE SAME.

Applicant : SYNAIR CORPORATION, OF P.O. BOX 1087, 17452 IRVINE BOULEVARD, TUSTIN, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : EDWARD NICHOLES GOMBERG.

Application No. 2094/Cal/74 filed September 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A wheel mounted flat free tire comprising a tire casing mounted on a wheel, said tire casing being completely filled with a void-free polyurethane material.

CLASS 129-I. 143776.

Int. Cl.-B21j 13/00.

AUTOMATIC HIGH-SPEED COLD HEADING MACHINE.

Applicant & Inventor : YUAN HO LEE, OF 85, JEN HO ROAD, TAINAN, TAIWAN, REPUBLIC OF CHINA.

Application No. 2565/Cal/74 filed November 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An automatic high speed cold heading machine comprising the combination of :

a main shaft which includes an eccentric portion thereon;

a ram operably connected to said main shaft so that said ram reciprocates upon rotation of said main shaft;

a second shaft which includes an eccentric portion, said second shaft being operably geared to said main shaft;

blank cutting means operably connected to said second shaft so that said blank cutting means reciprocates upon rotation of said second shaft for cutting blanks;

mean for receiving cut blanks from said blank cutting means:

a rotary die head having a plurality of dies respectively positioned in alignment with said ram, said rotary die head being operably connected for rotation to said second shaft,

a third shaft operably geared at about one end thereof to said main shaft;

a fourth shaft operably geared to the other end of said third shaft, said third shaft including an eccentric portion thereof;

a rocker arm pivotably connected to the eccentric portion of said fourth shaft and coacting with rod means on said rotary die head; and means for rotating said main shaft so that the main shaft imparts a compressive force against the rotary die head while the second shaft simultaneously drives the blank cutting means to cut a blank and feed a blank to the cut blank receiving means at the same time that the fourth shaft simultaneously drives the rocker arm to engage with and apply a force against a rod of said rod means causing said rod to cause a blank disposed in a die to be ejected therefrom.

CLASS 129K. 143777.

Int. Cl.-B23g 1/08, 1/20.

MULTIHEADED RADIAL TYPE NUT TAPPER.

Applicant & Inventor : YUAN HO LEE, OF 85, JEN HO ROAD, TAINAN, TAIWAN, REPUBLIC OF CHINA.

Applicatoin No. 2425/Cal/75 filed December 31, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A multiheaded radial type nut tapper comprising a driving shaft adapted to be wriven in rotary motion; a cam provided on said driving shaft;

a plurality of push rods disposed radially about said cam and adapted means for feeding nut blanks to a position in front of each of said push rods;

a plurality of tap driving shafts disposed radially about the driving shaft, each having its respective rotational axis aligned with an axis of one of said push rods; and

a plurality of bent taps adapted for rotation with said tap driving shafts, one bent tap being provided within each tap driving shaft so that tapped nuts may be produced from nut blanks successively fed onto said bent taps by said push rods as said drive shaft and said tap driving shafts are rotated.

CLASS 128G. 143778.

Int. Cl.-A61b 9/00.

A TENDON HAMMER.

Applicant & Inventor : RALPH LEEVES-SAUNDERS, OF 175 PARK SIDE AVENUE, BEXLEYHEATH, KENT DA7 6NP, (FORMERLY OF FLAT 4/4 INTERNATIONAL HOUSE, BROOK HILL TD., WOOLWICH, LONDON SE18 6RZ, ENGLAND).

Application No. 336/Cal/77 filed March 7, 1977.

Convention date March 8, 1976/(09109/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A tendon hammer comprising a percussive head and a shaft having a plurality of telescopically connected shaft sections.

CLASS 120B. 143779.

Int. Cl.-F16n 3/02.

AN OIL LUBRICATOR.

Applicant & Inventor : KANDATHIEL KOSHY VARUGHESE, OF PLOT NO. 50, ARUNDALENGAR, TIRUVANMIYUR, MADRAS-600041, TAMIL NADU, INDIA.

Application No. 93/Mas/76 filed May 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An oil lubricator comprising a spindle having a bore over a predetermined part of its length, commencing from its first end and terminating in at least one aperture on its periphery, a spring-loded flexible sheath loosely enclosing a part of the periphery of the spindle, but away from its first end, on which the aperture is located, with the end of the sheath near the first end of the spindle being fixed, in fluid-tight fit, to the periphery of the spindle, and the other end of the sheath being in movable engagement with the second end of the spindle to constitute an inlet valve for the sheath; a housing, provided for the spindle and sheath, through which the first end of the spindle protrudes and in which the other end of the sheath is held; and an oil container to furnish a supply of oil to the other end of the sheath, the arrangement being such that, with the sheath initially containing oil within it, the application and removable of pressure to the first end of the spindle causes the compression and decompression of the sheath to cause the oil within the sheath (during compression thereof) to be ejected, through the aperture and the bore, from the first end of the spindle and to cause a fresh supply of oil to be drawn from the container into the sheath (during decompression thereof) through the inlet valve.

CLASS 149A. 143780.

Int. Cl.-E02d 5/10, 5/12.

A PRECAST CONCRETE PILE.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O. MADRAS-600036, TAMIL NADU, INDIA.

Inventor : DR. DAVID JOHNSON VICTOR.

Application No. 117/Mas/76 filed July 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A precast concrete pile characterised in that at least one end thereof is immovably attached to one side of a metallic jointing member, with the other side of the said jointing member provided with at least one recess for enabling any two of the said piles with their corresponding jointing members disposed against each other in opposition, to be aligned with respect to each other by inserting plugs into the opposed recesses of the said jointing members, and spliced thereafter by welding the opposed jointing members together.

CLASS 33F & 126D. 143781.

Int. Cl.-G01n 25/04.

A DEVICE FOR MEASURING THE MELT POINT OR STICK POINT OF RESIN COATED SANDS.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T., P.O. MADRAS-600036, TAMIL NADU, INDIA.

Inventors : ERODE GANAPATIIYER RAMACHANDRAN AND HATHIBELAGAL MAHAMMED ROSHAN.

Application No. 159/Mas/76 filed August 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A device for measuring the melt point or stick point of resin coated sand comprising a metallic bar of high thermal conductivity, horizontally mounted on an insulated base, for receiving a thin layer of resin coated sand on the surface thereof; means for heating the bar at one end thereof; and means for measuring the temperature along the surface of the bar, the arrangement being such that when the sand is spread on the surface of the bar in its heated state and allowed to be in contact therewith for one minute to enable the sand to melt and adhere to the surface of the bar and the non-adherent particles of the sand are, thereafter, lightly brushed or blown away from the surface of the bar, the lowest indicated temperature of the bar at which particles of the sand still adhere to the bar indicates the said melt point or stick point.

CLASS 20B. 143782.

Int. Cl.-C12k 1/00.

PRESERVING MICROBIOLOGICAL PLATE CULTURES LIKE FUNGI, ACTINOMYCETS AND BACTERIA.

Applicant : MANGALORE GOPALAKRISHNA SHENOY, COLLEGE OF FISHERIES, KANKANADY, MANGALORE-575002, KARNATAKA, AND THE UNIVERSITY OF AGRICULTURAL SCIENCES, G. K. V. K. CAMPUS, BANGALORE-562116.

Inventor : MANGALORE GOPALAKRISHNA SHENOY.

Application No. 247/Mass/76 filed December 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims. No drawings.

A method of preservation of microbiological plate cultures comprising steps of (a) isolating the microorganisms as plate cultures from its source by using an agar medium containing 2.5% of agar powder, such as herein described, (b) attenuating the isolated colonies by treatment with formaldehyde vapour in a known manner, (c) dehydrating the said plate cultures in a controlled temperature of 40°C so as to ensure sufficient dehydration, (d) mounting the dehydrated film and framing the said mount in a known manner.

CLASS 152E. 143783.

Int. Cl.-C08f 29/18.

POLYVINYL CHLORIDE COMPOSITION.

Applicant : HOOKER CHEMICALS & PLASTICS CORPORATION, P.O. BOX 189, NIAGARA FALLS, NEW YORK 14302, UNITED STATES OF AMERICA.

Inventors : AXEL W. TYBUS & LEONARD A. FABRIZIO.

Application No. 682/Cal/75 filed April 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A polyvinyl chloride composition which is formable at temperatures above 129-130°F and is a shape-retaining solid at ambient temperatures comprising :—

100 parts by weight of polyvinyl chloride, 7.5 to 8.5 parts of a conventional polyvinyl chloride plasticizer;

10 to 14 parts of an impact-modifier selected from the group consisting of methylmethacrylate-butadiene-styrene polymer and an acrylo-nitrile-butadiene-styrene polymer.

1.5 to 2.1 parts of a convetnional polyvinyl chloride processing acid.

1½ to 2 parts of at least one conventional polyvinyl chloride lubricant,

0.8 to 1.1 parts of at least one conventional polyvinyl chloride stabilizer and

5 to 8 parts of at least one conventional polyvinyl chloride stabilizer booster containing polyvinyl alcohol.

CLASS 120-Q. 143784.

Int. Cl.-B23k 5/02.

METHOD AND APPARATUS FOR SEAM WELDING OVERLAPPED EDGES.

Applicant : PAUL OPPRECHT, OF 8962 BERGDIETIKON, SWITZERLAND.

Inventor : MARTIN KAUL.

Application No. 478/Cal/76 filed March 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method for longitudinally seam welding two overlapping metal sheat edges which comprises feeding two sheet edges of similar thickness and in overlapping relationship to a welding station, said overlap being from about 3 to no more than 6 times the thickness of the edges, continuously feeding a pair of flat wire electrodes to the welding station at the same rate as the overlapped edges and pasing the overlapped edges in a longitudinal direction between said pair of electrodes so that the electrodes are located on opposite sides of the overlapped seam, said electrodes having a width of from 2 to 3 times that of the overlap, compressing the overlapped edges together between said electrodes at the welding station and simultaneously energizing the electrodes to thereby longitudinally seam weld the overlapped edges whereby the edges are welded with a continuously renewable electrod surface and the seam extends beyond the overlapped region into adjacent portions of the non-overlapped regions of the sheet edges.

CLASS 88F. 143785.

Int. Cl.-B01d 47/06; 53/14.

APPARATUS FOR REMOVING IMPURITIES FROM GASES.

Applicant : RHONE-POULENC INDUSTRIES, OF 22 AVENUE MONTAIGNE, 75 PARIS, 8, FRANCE.

Inventors : CLAUDE DJOLOLIAN, & GERARD LAGRANGE.

Application No. 1997/Cal/76 filed November 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Apparatus of the scrubbing column type permitting of the removal of impurites from gase, the apparatus having a

column washing zone in which a cyclonic gaseous flow and a vertical downward spray of a liquid solvent for the impurities of the said gaseous flow are combined and a droplet-removal zone in which the cyclonic gaseous flow interacts with the column walls in which a way that droplets are thrown against the vertical walls of the column where they combine to form a liquid film, a ring being positioned in the droplet-removal zone in such a way that the liquid film is retained.

CLASS 129Q. 143786.

Int. Cl.-B23q 3/152.

IMPROVEMENTS IN OR RELATING TO SUBMERGED ARC WELDING.

Applicant & Inventor : SUBHASH MATHEW, OF ALFRED HERBERT (INDIA) LIMITED, POST BOX NO. 4805, WHITEFIELD ROAD, BANGALORE-560048, INDIA.

Application No. 35/Mas/76 filed February 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims.

A revolving attachment for use in a submerged arc welding apparatus, which has, in combination, a base plate to which is fixedly mounted a central shaft, means for supporting and a strengthening the attachment, a bush which sits on the said shaft, a rubber sleeve over the said bush, clamp means located over the said rubber sleeve and from which twin threaded swing arms are suspended, and a head bracket and a coil bracket bolted onto the said swing arms.

CLASS 143-D. 143787.

Int. Cl.-B65b 1/00.

AN APPARATUS FOR RAPIDLY SOLIDIFYING A MOLTEN SUBSTANCE TO A DESIRED SHAPE FOR NON-ADHERENTLY PACKING THE SAME IN A CONTAINER.

Applicant & Inventor : PATTAMADA AYANNA CHENGAPPA, M/S. TECHNICAL THINKTANT CO., 19/2, CUNNINGHAM ROAD, BANGALORE-560052, KARNATAKA, INDIA.

Application No. 254/Mas/76 filed December 14, 1976.

Addition to No. 139170.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

An apparatus for rapidly solidifying a molten substance of the type herein described to a desired shape for non-adherently packing the same in a container made of a material depending upon the nature of the said substance to be packed comprising at least one mould of the desired shape disposed in cooling means, the said mould having side walls tapering divergently from its base; at least one hollow projection on the said base extending into the interior of the mould, the said hollow projection being closed at its upper end and open at the base; and a vent pipe leading into the said hollow projection for discharging the vapours therefrom, characterised, by a first member disposed within the mould on the top of the hollow projection and a second member disposed within the mould surrounding the hollow projection at the base, the first and second members being attached to each other for enabling the molten substance, on solidification, to be removed from the mould by applying a lifting force to the first member.

CLASS 143-D. 143788.

Int. Cl.-B65b 1/00.

AN APPARATUS FOR RAPIDLY SOLIDIFYING A MOLTEN SUBSTANCE TO A DESIRED SHAPE FOR NON-ADHERENTLY PACKING THE SAME IN A CONTAINER.

Applicant & Inventor : PATTAMADA AYANNA CHENGAPPA, M/S. TECHNICAL THINKTANK CO., 19/2, CUNNINGHAM ROAD, BANGALORE-560052, KARNATAKA, INDIA.

Application No. 256/Mas/76 filed December 14, 1976.

Addition to No. 139170.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An apparatus for rapidly solidifying a molten substance of the type herein described to a desired shape for non-adherently packing the same in a container made of material depending upon the nature of the said substance to be packed comprising at least one mould of the desired shape disposed in a tank containing a cooling liquid, the said mould having side walls tapering divergently from its base; at least one hollow projection on the said base extending into the interior of the mould, the said hollow projection being closed at its upper end and open at the base; and a vent pipe leading into the said hollow projection for discharging the vapours therefrom, characterised in that the mould has buoyant means known per se attached to the exterior thereof, for enabling the mould with the molten substance therein, to float in the cooling liquid.

CLASS 116C. 143790.

Int. Cl.-B24d 3/00.

ENDLESS ABRASIVE BELT, AND LAMINATED PATCH SPLICE THEREFOR.

Applicant : THE CARBORUNDUM COMPANY, OF 1625 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK, UNITED STATES OF AMERICA.

Inventor : JARVIS MATTHEW MCGARVEY.

Application No. 2714/Cal/74 filed December 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

An endless belt of flexible sheet material having to complementary abuttingly juxtaposed ends forming a joint at an angle other than at right angles to the intended running direction of the belt and a laminated patch splice joining said ends wherein said patch splice comprises a straight slit woven fabric layer, a yaw-preventing, heat resistant plastic film layer having multi-directional strength bonded to said fabric layer to form a patch, and means such as herein described joining said patch to said sheet material with the patch overlapping said ends and extending along said joining substantially at said angle to the intended running direction of the belt.

CLASS 139A. 143791.

Int. Cl.-C09c 1/48.

PROCESS FOR PRODUCING CARBON BLACK.

Applicant : CABOT CORPORATION, OF 125 HIGH STREET, BOSTON, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : MERRILL EDMUNC JORDAN, AND ALLAN CLARK MORGAN.

Application No. 218/Cal/75 filed February 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for producing carbon black which comprises : establishing an enclosed stream of hot combustion gases having a linear velocity of at least about Mach 0.35 sufficient to atomize and to disperse liquid carbon forming feedstock; injecting liquid feedstock in the form of a plurality of individual coherent streams substantially transversely into the combustion gas stream from the exterior periphery thereof; injecting liquid feedstock in the form of a plurality of individual coherent streams outwardly and substantially transversely into the combustion gas stream from at least one location in the interior thereof; each of the coherent streams of

feedstock being caused to penetrate the combustion gas stream to a depth of at least 15% of the annular cross sectional dimension at the point of entry of feed stock stream sufficient to avoid contact of the feedstock with apparatus prior to mixing thereof with the hot combustion gas stream and forming solid carbon particles; quenching the reaction mixture and collecting carbon black product.

CLASS $32F_3c$. 143792.

Int. Cl.-C07c 37/04.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR THE PREPARATION OF 2 : 4-XYLENOL AND SALTS THEREOF.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : CHEMBUMKULAM SREEDHARAN BHASKARAN NAIR, MAHENDRA PRASAD SHARMA, SUBODH KUMAR RAY, KUMARES CHANDRA BIT, KAUSHAL KISHORE TIWARI, OMKAR KUMAR GUHA AND GUMMA SITHARAMA MURTY.

Application No. 418/Cal/75 filed March 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims. No drawings.

A process for the production of 2 : 4-xylenol or salts thereof starting from meta-xylene through sulphonation followed by fusion of the alkali metal salt of the sulphonic acid with the hydroxides of a metal belonging to group I of the periodic table such as lithium, sodium or potassium in the presence of an aromatic hydroxy compound characterised in that the addition of upto 1 mole of the aromatic hydroxy compound or salts thereof per mole of the sulphonic acid or salts thereof during the reaction enables the fusion reaction to be completed in 5—60 minutes at 200—400°C with 1 to 2 times of the theoretically required quantity of the alkali metal hydroxide to get the alkali salt of 2 : 4-xylenol which may be converted to 2 : 4-xylenol by acidification.

CLASS $32F_3c$. 143793.

Int. Cl.-C07c 37/04.

A PROCESS FOR THE PREPARATION OF 3 : 5-XYLENOL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : CHEMBUMKULAM SREEDHARAN BHASKARAN NAIR, KAUSHAL KISHORE TIWARI, KUMARES CHANDRA BIT, SUBODH KUMAR RAY, MAHENDRA PRASAD SHARMA, OMKAR KUMAR GUHA AND GUMMA SITHARAMA MURTY.

Application No. 419/Cal/75 filed March 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims. No drawings.

A process for the preparation of 3 : 5-xylenol from meta-xylene by sulphonation, isomerization, alkali fusion followed by acidification of the alkali melt is characterised in that, the 2 : 4-xylene sulphonic acid obtained by sulphonation of meta-xylene is isomerized to 3 : 5-xylene sulphonic acid by treatment with a further 0.5 to 5 moles of sulphuric acid together with upto 0.5 mole of a catalyst comprising of the oxides and acids of elements belonging to groups III and V of the periodic table such as phosphorus pentoxide, phosphoric acid, boric acid, or their mixtures, per mole of sulphonic acid present, followed by fusion of the 3 : 5xylene sulphonic acid or alkali metal salts thereof with the hydroxides of alkali metals belonging to group I of the periodic classification of elements in the presence of upto 1 mole of an aromatic hydroxy compound or mixtures thereof for a period upto 4 hours at 200°—400°C followed by acidification of alkali melt to obtain 3 : 5-xylenol.

CLASS 40F. 143794.

Int. Cl.-B01j 1/00, C23j 15/00.

IMPROVEMENTS IN CHEMICAL PROCESS AND APPARATUS THEREFOR.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED OF NO. 2—5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : SHIGERU INOUE, TETSUO KIMURA, TOSHINORI TAKAE, NORIO TSUJI, TOSHIKI KATO, EIJI OTSUKA.

Application No. 1153/Cal/75 filed June 11, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

In a chemical process, as herein described, wherein at least two fluid raw materials at least one of which is non-corrosive, are reacted in the header of a heat exchanger, the inner surface of which is exposed to corrosive environment due to said exchanger forming a corrosive reaction product while concurrently exchanging the heat of reaction indirectly, the improvement which comprises : providing a partition closely spaced from the inner surface of said header, flowing a part or all of said non-corrosive raw material between said inner surface of said header and one side of said partition while flowing said other raw material on the other side of said partition, whereby said inner surface is protected from contact with said corrosive environment; and thereafter merging said raw material/s and non-corrosive raw material to form said reaction product.

CLASS $172C_3$. 143795.

Int. Cl.-D01g 23/00.

DEVICE FOR FEEDING FIBRES TO UNITS FOR OPEN-END SPINNING.

Applicant : SOCIETE ALSACIENNE DE CONSTRUCTIONS MECANIQUES DE MULHOUSE, OF 1, RUE DE LA FONDERIE, 68054 MULHOUSE CEDEX, FRANCE.

Inventors : YVES JUILLARD AND JACQUES LE CHATELIER.

Application No. 1364/Cal/75 filed July 14, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

Device for feeding fibres to a unit for open-end spinning comprising means for holding back a silver of fibres and a drafting roller which rolls against another roller to separate the fibres of the sliver from one another at the outlet from said holding-back means, said outlet being subjected to the effect of a gaseous current for carrying the fibres towards said spinning unit, characterised in that the drafting cylinder comprises a rotary drum of generally cylindrical shape the surface of which is made up of narrow fibre-separating ridge elements which extend in the circumferential direction in a plane perpendicular to the drum axis only over part of the periphery of said drum while two fibre-separating ridge elements successive in the axial direction are angularly displaced from one another such that narrow any deep grooves separate in the axial direction at least a part of said elements from one another.

CLASS 116C & G. 143796.

Int. Cl.-B07c 5/38.

IMPROVEMENTS IN OR RELATING TO GRADE DISTRIBUTING APPARATUS.

Applicant : SUNKIST GROWERS INC., OF 14130 RIVERS SIDE DRIVE, SHERMAN OAKS, CALIFORNIA 91403, UNITED STATES OF AMERICA.

Inventors : PAUL FRANK PADDOCK AND JERRY WRIGHT CRAMER.

Application No. 1771/Cal/75 filed September 16, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A sorting conveyor for use in a system for classifying and sorting objects by grades where in the objects successively pass through an inspection station where evaluation signals are generated for a given set of grades of the objects and the sorting conveyor has a series of successive discharge stations corresponding to the given grades where the objects are released in response to the corresponding evaluation signals, which sorting conveyor comprises a conveyor, a continuous series of inter-connected holders for inspected objects provided by the conveyor for conveying the objects to the successive discharge stations, each of the holders having a normal state to transport an object and being biased to a release state to release the object, a corresponding series of latches on the conveyor travelling with the respective holders to releasably retain the holders in their normal states, and trippers at the respective discharge stations operable in response to corresponding evaluation signals to release the holders as the holders reach the discharge stations.

CLASS 28C & 85-I & R. 143797.

Int. Cl.-F23c 1/08, 3/00, F23n 1/02, F27b 1/08.

APPARATUS AND PROCESS FOR FIRING A FURNACE.

Applicant & Inventor: JAMES WILLIAM MIDDLEMAS, OF 10 HIGHLANDS AVENUE, LEATHERHEAD, SURREY, ENGLAND AND EDWARD CHARLES JOPE, OF VIA DEL RONCO 4, TRIESTE, ITALY.

Application No. 149/Cal/76 filed January 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for firing a furnace comprising a gasifying chamber having a lining of refractory material, an inlet for the admission of primary air to the chamber, a fuel injector adapted to introduce into the gasifying chamber a liquid or gaseous primary fuel, an outlet for the combustible gases produced when the apparatus is in use and radiating means situated in the outlet which serves when the apparatus is in use, to radiate heat to the refractory lining, *characterised in that* there is incorporated within the fasifying chamber a cowl which, for at least a part of its length is of double-walled construction and has a portion surrounding the fuel injector, the inner of the two walls of the double-walled portion being provided with a number of apertures communicating with the interior of the cowl downstream of the fuel injector and there being provided gas supply means communicating with the space between the walls of the double-walled portion.

CLASS 85Q. 143798.

Int. Cl.-F27b 7/38.

PLANETARY COOLER FOR TUBULAR ROTARY KILN.

Applicant: FIVES-CAIL BABCOCK, OF 7, RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventor: GERARD CHESTEM.

Application No. 1788/Cal/76 filed September 28, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Planetary cooler for tubular rotary kiln comprising a series of cooler tubes mounted as satellites around the kiln and jointed to the kiln by a channel, each tube is provided at its inlet end and on its interior surface with a deflector characterised in that the deflector is oriented in such a way as to draw back a certain volume of material under the channel, into the fall zone of the hot material, during the descending course of the tubes.

CLASS 32F$_3$b & 40B. 143799.

Int. Cl.-B01j 11/00, C07c 57/04, 27/00.

PROCESS FOR THE PREPARATION OF CATALYST COMPOSITIONS ESPECIALLY USEFUL FOR PREPARATION OF UNSATURATED ACIDS.

Applicant: THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors: SERGE ROMAN DOLHYJ AND ERNEST CARL MILBERGER.

Application No. 2404/Cal/74 filed November 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the preparation of a catalyst composition consisting of oxides or oxide complexes of cerium, tungsten, vanadium and molybdenum plus optionally one or more of oxides/oxide complexes Co, Ni, Zn, Cu, Mg, Mn, Bi, Ti, Zr, Sn, P, alkali metal, alkaline earth metal, lanthanum or an element of the lanthanoid series except carium which comprises mixing together the catalyst components, and processing them further in a manner such as herein described.

CLASS 40F. 143800.

Int. Cl.-F24j 3/00.

METHOD OF CARRYING OUT ENDOTHERMIC PROCESSES.

Applicant: METALLGESELLSCHAFT A. G. OF FRANKFURT A. M., REUTERWEG 14, WEST GERMANY.

Inventors: DR. ING. LOTHAR REH, DR. ING. HANS-WERNER SCHMIDT AND DR. ING. LUDOLF PLASS.

Application No. 1804/Cal/75 filed September 20, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of carrying out an endothermic process involving a solid, other than the thermal decomposition of aluminum chloride hydrate, followed by calcination, wherein solids capable of endothermic reaction are treated in a fast fluidized-bed reactor supplied with secondary air introduced at a level above a gas distributor, particles of the solids are entrained from the bed in a gas stream, said particles are seperated from the gas stream and are at least in part returned to the fast fluidized-bed reactor, wherein the improvement comprises :—

(a) introducing the particles from said fast fluidized-bed rector into a holding reactor;

(b) fluidizing the particles in said holding reactor in a bed with a fluidizing gas introduced into said holding reactor at a velocity such that the solids occupy at least 35% of the volume of the bed of said holding reactor;

(c) feeding particles from said holding reactor into said fast fluidized-bed reactor in a recirculation cycle at a rate sufficient to maintain a predetermined density of solids in said fast fluidized-bed reactor, said predetermined density of the solids in said fast fluidized-bed reactor corresponding to a solids volume of 2 to 20% of the volume of said fast fluidized-bed reactor between said gas distributor and said level and to a solids volume of 0.2 to 2% of the volume of said fast fluidized-bed reactor above said secondary air inlet;

(d) withdrawing particles from the cycle formed by that fluidized-bed reactor and said holding reactor in a partial stream;

(e) maintaining the particles in said holding reactor for a residence time in excess of the residence time of the solids in said fast fluidized-bed reactor; and

(f) maintaining a substantially constant temperature in both of said reactors by regulating the rate at which particles are fed in step (c) from said holding reactor to said fast-fluidized bed reactor.

CLASS 139A. 143801.

Int. Cl.-C01b 31/12.

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF ACTIVATED CARBON FROM SAW DUST.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : BIBHUPADA MOHANTY, KOTUR SRINIVASAN NARASIMHAN, SIBA NARAYAN MAHAPATRA AND PRAFULLA KUMAR JENA.

Application No. 2169/Cal/75 filed November 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process for the preparation of activated carbon from saw dust, comprises :—

(a) pulverising the saw dust to a powder containing below 52 (BSS) mesh size particles,

(b) washing the saw dust with water,

(c) treating the washed saw dust with hydrofluoric acid of 70% concentration for a period of upto 24 hrs.

(d) separating saw dust from acid solution and washing to make saw dust free of acid,

(e) treating the acid free saw dust with 0.5 to 3% of zinc chloride solution by solution by weight followed by drying.

(f) treating the product of step (e) with concentrated sulphuric acid for a period 1 to 6 hrs. and then,

(g) filtering and washing to make it acid free and drying at 120 to 180°C for 2 hours to 6 hours to yield highly active ashless active carbon.

CLASS 198A. 143802.

Int. Cl.-B07b 4/08.

PROCESS OF SEPARATING SOLID GRANULAR METALLURGICAL PRODUCTS AND THEIR PRECURSORS ON A PLURALITY OF LINEARLY VIBRATING SCREENS.

Applicant : METALLGESELLSCHAFT A. G., OF 16 FRANKFURT A.M., REUTERWEG 14, WEST GERMANY.

Inventors : HORST JELINEK, GERD EISENHEIMER AND BERNHARD KLERSY.

Application No. 941/Cal/76 filed May 31, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process of separating solid granular metallurgical products and their precursors on a plurality of linearly vibrating screens, which are arranged one over the other and have inclinations increasing from top to bottom whereas the widths of the mesh openings decrease from top to bottom and the width of the mesh openings of each screen is 1.5 to 15 times larger than the desired parting size, in which process the solids to be separated are fed onto the uppermost screen at the upper end thereof, the coarser solids are deflected in the direction of inclination of the screen, the finer solids initially fall through freely and on screens having smaller mesh openings are also deflected in the direction of inclination of the screen, the coarsest solids fraction is withdrawn as overflow from the uppermost screen, finer solids fractions are withdrawn as overflow from following screens, and solids which have passed through all screens are withdrawn as a finest fraction, characterized in that a gaseous fluid is caused to flow through at least part of the working space required for screening approximately transversely to the direction in which solids pass through the screens , solids having a lower specific gravity are entrained between adjacent screens by the gaseous fluid flowing through the working space, gaseous fluid laden with the solids of lower specific gravity is caused to flow into a separating chamber, and solids are separated from the gas stream in said separating chamber.

CLASS 48A, & A, & 144A. 143803.

Int. Cl.-H01b 13/22.

PROCESS FOR THE PRODUCTION OF HIGHLY HEAT-RESISTANT INSULATING COATINGS ON ELECTRICAL CONDUCTORS.

Applicant : DR. KURT HERBERTS & CO., GMBH, OF OTTO LOUIS HERBERTS, D-5600 WUPPERTAL 2, CHRISTBUSCH 25, FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. SURESH MERCHANT, DIETHARD WINKLER AND MARITA BLUHM.

Application No. 396/Cal/77 filed March 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the production of highly heat-resistant insulating coatings on electrical conductors by coating the conductors with solutions containing catalysts and, optionally, levelling agents of thermosetting amide-and/or imide-modified ester resins of polyhydric alcohols, polybasic carboxylic acids containing carboxyl groups attached to aromatic rings, optionally in admixture with aliphatic carboxylic acids and, optionally, their anhydrides and/or esters, and compounds containing amino groups, and heating the coated conductors to object temperatures above 200°C, wherein the ester resins have an acid number of from 10 to 50 and the equivalent ratio of hydroxyl groups to carboxyl groups in the starting products for producing the ester resins amounts to between 1.6 and 2.5, the solution contains aliphatic amines in such a quantity that there are from 0.5 to 1.5 amino groups for every free carboxyl group in the ester resin, and at least about 70% by weight of the solvents consist of monoalkyl ethers and/or dialkyl ethers (the alkyl moieties each containing from 1 to 6 carbon atoms) of mono- and/or dialkane diols containing from 2 to 4 carbon atoms per alkane moiety.

CLASS 23H & 143D1. 143804.

Int. Cl.-B65d 81/00.

A FITTING FOR USE CONTAINERS FOR SUSPENDING GOODS DURING TRANSIT.

Applicant : JOHANN DIRKART, O AUHOFSTRASSE 25, 8750 ASCHAFFENBURG, FEDERAL REPUBLIC OF GERMANY.

Inventor : ALBERT RENNEMANN.

Application No. 609/Cal/75 filed March 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A fitting for use in containers, from which fitting goods may be suspended during transit, comprising two parallel, longitudinal members adapted to be braced and secured at their ends by releasable clamping devices against opposite end walls of a container, and transverse members oriented transversely to the longitudinal members and constituting a supporting frame supportable by vertical props from the container floor.

CLASS 17D & 77E. 143805.

Int. Cl.-C11b 13/04.

A PROCESS FOR DECAFFEINATION OF VEGETABLE MATERIALS.

Applicant : NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMA.

Inventors : GARY WAYNE FOUT, ABRAHAM RUDOLPH MISHKIN AND RATHINDRA NARAYAN ROYCHOUDHURY.

Application No. 2096/Cal/76 filed November 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

In a process for producing a decaffeinated vegetable material, particularly an aqueous extract of tea, green or roa coffee beans, wherein caffeine-containing vegetable material is extracted with a volume of recirculating liquid, water-immiscible fatty material, an animal, vegetable or synthetic fat, admixtures or fractions thereof which are liquid at the temperature of contact with the vegetable material, in a decaffeination zone, said extraction occurring for a period of time sufficient to transfer caffeine from said vegetable material into said fatty material, and wherein the caffeine-laden fatty material resultant from extraction is separated from said vegetable material and is conveyed a film or thickness less than 30 mm to a regeneration zone for removal of caffeine prior to recirculation to said decaffeination zone, the improvement which comprises removing said caffeine in said regeneration zone by vaporization.

CLASS 14A, & A$_2$. 143806.

Int. Cl.-B01k 3/06.

IMPROVEMENTS IN OR RELATING TO PROCESS FOR THE PRODUCTION OF NEGATIVE ACTIVE MATERIAL FOR POCKET TYPE AND PRESSED MASS TYPE NICKEL CADMIUM CELLS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: HANDADY VENKATAKRISHNA UDUPA, PENNAGARAM VYSA RAO VASUDEVA RAO, RAMASAMY SABAPATHI, VEERAPPAN CHIDAMBARAM AND KANDASAMY BALAKRISHNAN.

Application No. 1121/Cal/75 filed June 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims. No drawings.

A process for the production of negative active material for use in pocket type and pressed mass type nickel cadmium cells by preparing cadmium hydroxide active material by adding iron oxide and further characterised in that the negative active material is prepared by (a) chemically precipitating cadmium hydroxide and iron oxide/hydroxide from a solution containing cadmium and iron salts or (b) precipitating iron oxide/hydroxide separately and adding to cadmium hydroxide precipitate.

CLASS 38 & 129G. 143807.

Int. Cl.-B23d 57/02.

A CUTTING TOOL CHAIN.

Applicant & Inventor: HARILAL AMBARAM PANCHAL, (2) KARSANDAS MAVJIBHAI PATEL AND DEVAJIBHAI RAMJIBHAI PATEL, OF D-24, DEFENCE COLONY, NEW DELHI-110024, INDIA.

Application No. 1955/Cal/75 filed October 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A cutting tool chain for use with a chain cutter device, said chain comprising a plurality of identical sets held in a pivotal manner in relationship to each other, each said set having a cutting tool arm and wherein the tool arm of one set is disposed on one side of the chain, while the tool arm of the adjoining set is on the opposite side of the chain.

CLASS 146D. 143808.

Int. Cl.-G02b 7/00.

AN ADJUSTMENT DEVICE FOR USE WITH AN OPTICAL LENSE SYSTEM.

Applicant & Inventor: MRS. SARLA PAUL, OF 291-C, DEFENCE COLONY, NEW DELHI-110024, INDIA.

Application No. 1075/Cal/76 filed June 18, 1976,

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent ffice, Delhi Branch.

5 Claims.

An adjustment device for use with an optical lense system consisting of at least a first and second lense, said first lense disposed within a first housing, an actuator for providing a movement to said first housing along the vertical axis, said second lense disposed within a second housing and having a second actuator for providing a movement thereto along the horizontal axis, said first and second housing slidably held to opposite sides of a central member.

CLASS 51D & 153. 143809.

Int. Cl.-B26b 21/54.

IMPROVEMENT OF CUTTING EDGES BY ION IMPLANTATION.

Applicant: HARBANS LAL MALHOTRA & SONS LTD., AT 226/2, ACHARYA JAGADISH CHANDRA BOSE ROAD, CALCUTTA-700020, STATE OF WEST BENGAL, INDIA.

Inventor: ARDHENDU MANDAL.

Application No. 138/Cal/76 filed January 24, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims. No drawings.

A process for improving the properties of cutitng edges of metals including safety razor blades namely, hardness, adhesion of metallic and non-metallic coating on and corrosion-resistance of cutting edges, by mounting a stack of sharpened safety razor blades in a holder in an implantation chamber evacuated to about 10-6 torr and treating the cutting edges with ions of suitable does and energy provided from an ion source characterized in that each blade overlaps the other by about 0.005 inch.

CLASS 94F. 143810.

Int. Cl.-B02c 1/00.

AN IMPROVED POUNDING MACHINE.

Applicant & Inventor: BABURAO BALWANTRAO KARANJKAR, 136, MALHAR PETH, SATARA, MAHARASHTRA STATE, INDIA.

Application No. 201/Bom/75 filed July 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

An improved pounding machine comprising a sturdy frame, mounted on wooden beams and closed on all sides, for housing a cam shaft, fitted to the said sturdy frame with ball bearings, mounted with a single or plurality of cams, a single or plurality of rams and mortars, the mortars being fitted slightly off center in relation to the rams to accomplish crushing and pounding, there being provided an electric motor and a closed gear box with oil bath, both being mounted on the outside of the said sturdy frame; there being provded a flexible shaft connecting the motor and the said cam shaft by means of a worm gear and wheel unit, the same being housed in the said gear box, affording a direct drive to the said cam shaft fitted to the sturdy frame with ball bearings, the said plurality of rams, mounted with cup like collars, being located near the cam shaft with plurality of guides at the top and near the said cam shaft, such that the said plurality of cams while rotating, coming in contact with the said plurality of collars directly lifting the said plurality of rams by giving an upward and spiral thrust to the said plurality of collars; there being provided plurality of locking levers, to halt the working of the said plurality of rams even though the machine remains in running condition, characterised in that there being provided, a direct drive and lift with the help of the flexible shaft, worm gear wheel and cam respectively, locking levers to halt the working of the said plurality of rams, a wooden base affording easy portability resulting in efficiency and economy.

CLASS 66D. & 90-I. 143811.

Int. Cl.-H01k 1/18, 1/36.

SPINDLE FOR A MACHINE FOR SEALING ELECTRIC VACUUM DEVICES MADE OF GLASS.

Applicant & Inventor : VALENTIN TERENTIEVICH SAMONOV, OF ULITSA SVETOTEKHNIKI, 53, KV. 49, SARANSK MORDOVSKOI ASSR, U.S.S.R.

Application No. 687/Cal/75 filed April 4, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A spindle for a machine for sealing electric vacuum devices made of glass, comprising a housing, a hollow sleeve rotating in the said housing, a central arbor accommodated within the sleeve and axially movable relative thereto, the central arbour carrying a candle-like plug adapted to recieve therein a stem of said electric vacuum device, a crosspiece with uprights attached to and rotatable jointly with the central arbor, the uprights supporting a holder adapted to retain a bulb of an electric vacuum device, and a mechanism for removing automatically a stem that has been welded to the candle-like plug.

CLASS 86E & 116H. 143812.

Int. Cl.-B66c 7/10.

A BEAM ASSEMBLY FOR CRANE AND CRANES COMPRISING THE SAME.

Applicant : LIFTING EQUIPMENTS & ACCESSORIES, OF B-13/1, JHILMIL INDUSTRIAL AREA, SHAHDARA, DELHI-110032.

Inventor : MANAKADAN MANICOTH ANANDRAM.

Application No. 639/Cal/76 filed April 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A beam assembly for use on a crane comprising an I-beam and at least one pair of integrally formed anchoring brackets, each anchoring bracket consisting of a vertically mounted substantially rectangular shaped web plate, a horizontally disposed upper flange, a substantially rectangular lower plate and two vertical gusset plates, said brackets each forming a single unit, said beam and said anchoring brackets being provided with horizontal holes located in spaced apart relationship at predetermined intervals whereby each bracket can be fixed on said beam at a desired position by nuts and bolts and the contour of the anchoring bracket meshes with the inside contour of the beam on either side of the beam web.

CLASS 39K. 143813.

Int. Cl.-C01b 25/18.

A PROCESS FOR THE MANUFACTURE OF HIGHLY CONCENTRATED PHOSPHORIC ACID.

Applicant : NISSAN CHEMICAL INDUSTRIES, LTD., OF 3-7-1, KANDA NISHIKI-CHO, CHIYODA-KU, TOKYO, JAPAN.

Inventors : TAKASUKE INOUE, SATARO NAKAJIMA, YUZO ITOH, SHINICHI TAJIKA AND YOSHIO SAIKI.

Application No. 1427/Cal/76 filed August 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A wet process for the manufacture of highly concentrated phosphoric acid, which process comprises a digestion step in which phosphate rock is digested by phosphoric acid and sulphuric acid to produce a slurry containing phosphoric acid having a P_2O_5 concentration in excess of 40% together with calcium sulfate hemi-hydrate and a separation step in which the slurry is filtered to separate said calcium sulfate hemihydrate from said highly concentrated phosphoric acid, characterised in that active silica is added during the digestion step.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Chiranjilalji Hariprasad to the grant of a patent on application No. 142107 made by The Tea Board of the Tea Research Institute of Ceylon and Government of Sri Lanka successors to the Business undertaking of Colombo Commercial Company (Engineers) Limited.

(2)

An opposition has been entered by Steelworth Limited to the grant of a patent on application No. 142107 made by The Tea Board of the Tea Research Institute of Ceylon and Govt. of Sri Lanka successors to the Business undertaking of Colombo Commercial Company (Engineers) Limited.

(3)

An opposition has been entered by the Council of Scientific and Industrial Research to the grant of a Patent on Application No. 142513 made by Metallgesellschaft A.G.

CORRECTION OF CLERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970, certain clerical errors securing in the application of patent application No. 143498 were corrected on the 27th December, 1977.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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112968 112969 112999 113039 113663 114084 114240 114258
114281 114328 114341 114350 114482 114996 115618 115748
115778 115970 116064 116386 116525 116603 117977 119526

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112479 112480 112513 112580 112821 113262 113456 113477
113479 113512 113573 113576 113583 113584 113589 113645
113652 113673 113685 113712 113749 113753 113755 113846
113874 113888 113909 113941 113962 113979 113992 114019
114144 114145 114147 114179 114366 114395 114401 114434
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115040 115335 115749 115889 115983 116060 116199 116380
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PATENTS SEALED

131767 135221 139717 140856 141281 141438 141439 141440
141450 141452 141458 141496 141608 141670 141691 141749
141812 141819 141841 141927

Supplementary List No. I

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee.	Brief title of the invention.
1	2	3	4	5
1.	76389	20-4-1972	Miles Laboratories Inc., 1127 Myrtle Str., Elkhart, Indiana, U.S.A.	Preparing a test device for detecting Urea in fluid.
2.	77284	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	Anthranilic acid derivatives.
3.	77285	20-4-1972	Do.	Do.
4.	78342	20-4-1972	Orsymonde, 166 rue de Charonne, Paris XI.	Alkylated derivatives of phlorophenon.
5.	78481	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	Substituted sulfonamides.
6.	79935	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	New dibenzodiazepinone compounds.
7.	79986	20-4-1972	Sterling Drug Inc., 1450 Broadway, New York.	1, 8-naphthyridine.
8.	80347	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U. S. A.	2, 4-diamino-S-(p-chlorophenyl) 6-ethyl-pyrimidine salts.
9.	80348	20-4-1972	Do.	Salts of 4, 6-diamino-1, 2-dihydro-2-lower alkyl-1-aryl-o-triazines with 4, 4/-methylebis (3-hydroxy-2-naphthonic acid).
10.	82217	20-4-1972	Do.	New staphylococcal antigen products.
11.	82539	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	Novel pyrrolidine compounds.
12.	82813	20-4-1972	Do.	1-(2-pyridyl)-1-propene compounds.
13.	84972	20-4-1972	Labaz, 39 Avenue Pierre les de Serbie, Paris 8e.	New benzofuran derivatives.
14.	85119	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	N-(2, 3-dimethylphenyl) anthranilic acid.
15.	85120	20-4-1972	Do.	Do.
16.	85121	20-4-1972	Do.	Do.
17.	85122	20-4-1972	Do.	Do.
18.	85123	20-4-1972	Do.	Do.
19.	85124	20-4-1972	Do.	Do.
20.	85125	20-4-1972	Do.	Do.
21.	85126	20-4-1972	Do.	Do.
22.	85127	20-4-1972	Do.	Do.
23.	85128	20-4-1972	Do.	Do.
24.	85129	20-4-1972	Do.	Do.
25.	85130	20-4-1972	Do.	Do.
26.	85131	20-4-1972	Do.	Do.
27.	85132	20-4-1972	Do.	Do.
28.	88148	20-4-1972	Indian Oxygen Ltd., P-34 Tartala Rd., Calcutta-53.	Forming homogeneous gas mixtures containing vitreous oxide.
29.	92410	20-4-1972	Warner Lambert Pharmaceutical Co., 201, Tabor Rd., Morros Plains, New Jersey.	Production of novel substituted 1, 4-benzo-diazepines.
30.	92411	20-4-1972	Do.	Do.
31.	94766	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Preparation of jata mansi root oil and the solation of a coumarin constituent therefrom.
32.	97201	28-12-1964	Petro-Tex Chemical Corpn., 8600 Park Lane Boulevard, Houston, Texas.	Dehydrogenation of organic compounds.
33.	99587	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	B-N-di-n-propylamino-ethyl-o-methoxy phenyl ether and its salts.
34.	101836	20-4-1972	Do.	(3, 4 disubstituted phenyl) lower alkylamino pyridine.
35.	101837	20-4-1972	Do.	N-(amino-pyridyl) N1-substituted piperazines.
36.	102676	20-4-1972	Do.	Isolation of blood sugar lowering principle from the leaves of riveacunncata.
37.	103066	20-4-1972	Do.	Anthranilic acid of pharmacological interest.

1	2	3	4	5
38.	108723	20-4-1972	Council of Scientific & Industrial Research Rafi Marg, New Delhi.	3-amino or substituted amino benzo (6, 7)-quinazoline-4-ones.
39.	112592	30-9-1967	Idemitsu Kosan Co. Ltd., 12, 3-chome, Narunochi, Chuyodaku, Tokyo, Japan.	Polyolefins.
40.	112696	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Amylase from fungi.
41.	113630	20-4-1972	Spezial Chemie G. m. b. H. & Co., Munich, Federal Republic of Germany.	Hydrogenation of pyrone derivatives.
42.	113761	22-12-1967	Baustahlgewebe GmbH., Burggrafenstrasse, Dusseldort, West Germany.	Concrete reinforcing bar.
43.	114536	20-4-1972	John Labatt Ltd., 150 Simcoe St., London, Ontario, Canada.	Process for producing controlled release feed additives for ruminant.
44.	114805	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	N-substituted anthranilic acids of pharmacological interest.
45.	114872	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	1, 4-dihydropyridine derivatives.
46.	114932	20-4-1972	Orsymonde, 17, Faubourg, Montmartre, Paris 9e, France.	Pharmaceutical compositions for use in the treatment of obesity.
47.	115352	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	New n-sulfanilylcytosine compounds.
48.	118322	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	Aryl sulphonyl semicarbazides containing heterocyclic acylamino groups.
49.	119086	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	1-(2-oxy-3-substituted aminopropoxy) phenyl-alkanones.
50.	119645	1-2-1969	Texas Eastern Corpn., 525 Milan Str., P. O. B. 1612, Louisiana, U.S.A.	A liquid natural gas vapouriser system.
51.	120199	20-4-1972	Pfizer Inc., 235 East, 42nd St., New York 17.	Cephalosporins.
52.	120234	20-4-1972	Sterling Drug Inc., 90 Park Avenue, New York.	Novel amidocyl ureas.
53.	120510	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	New pyrrolidine derivatives.
54.	120589	20-4-1972	Johann A Wulfing, 404 Neuss Stresemannalle, 6, West Germany.	Cardiocyclosides.
55.	121506	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	New Penicillins.
56.	121569	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	New pyrazolodiazepinone compounds.
57.	121570	20-4-1972	Do.	New phenylpyrazolo diazepinone compounds.
58.	122040	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	N-diaryl-pyridyl-methyl imidazoles
59.	122752	20-4-1972	Do.	2-phenylimino-pyrrolidines.
60.	123241	20-4-1972	Instituto Nazionale chimico Biologico S. r. l., 15 Viale Guistiniano Imperatore, Rome, Italy.	Preparing deproteinised blood extract having a healing action.
61.	123598	16-10-1969	E. I. du Pont de Nemours & Co., Wilmington, Delaware, U.S.A.	Apparatus for separating fluids.
62.	123609	21-10-1968	F. L. Smidth & Co., A/S, 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Hydraulic cement from raw materials containing phosphorus and/or fluorine.
63.	123678	20-4-1972	Sankyo Co. Ltd., 1-6, 3-chome Nihonbashi, Honcho, Chuo-ku, Tokyo, Japan.	Benzodiazepine Compounds.
64.	123808	30-10-1969	Monsanto Co., 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	An agricultural composition for modifying the sequential development of plants containing nitrilo compounds.
65.	123810	20-4-1972	Boots Pure Drug Co. Ltd., 1 Thane Rd. West, Nottingham, England.	Cyclohexylalkane acid derivatives.
66.	123864	20-4-1972	American Home Products Corpn., 685 Third Avenue, New York 17.	Monositylated hydrohalide salt of a penicillin.
67.	123931	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	N-substituted imidazoles and their salts.
68.	124152	20-4-1972	Warner Lambert Pharmaceutical Co., 201 Tabor Rd., Morris Plains, New Jersey, U.S.A.	Substituted cyclohexane.
69.	124315	20-4-1972	Deutsche Gold & Silber Scheideanstalt Vormals Roessler, Frankfurt/Main, Federal Republic of Germany.	Vinylogous benzoyl amides which are substituted on the nitrogen by a phenyl-oxy-alkyl-radical.
70.	124424	20-4-1972	Gyogynoveny Kutato Intezet, 38-42 Danielut, Buddabest XII, Hungary.	l-menthol.
71.	124452	20-4-1972	American Home Products Corpn., 685 Third Avenue, New York-17.	New bacterial acid addition salts of amino pencillins and esters and amides thereof.
72.	125414	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	Heterocycle substituted n-benzylimidazones.

1	2	3	4	5
73.	125818	20-4-1972	Bayer A.G., Leverkusen, Federal Republic of Germany	Purifying solutions of the foot and mouth disease virus.
74.	125984	28-5-1969	H. F. A. Topsoe, Frydeulundsvej, Vedbaxk, Denmark.	Catalyst.
75.	126036	20-4-1972	Dr. Karl Thomae G. m.b. H., D795 Biberach, Riss, Federal Republic of Germany.	Isoquinoline derivatives.
76.	126046	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	Thiocarbamic acid derivatives.
77.	126168	20-4-1972	Do.	N-alkyl-1, 4-dihydropyridines.
78.	126215	16-4-1970	Breveteam S. A., Chemin Riedle 13, 1700 Fribourg, Switzerland.	Production of net structure from a plastics film or sheet material.
79.	126399	28-4-1970	Allplas A. G., 12 Alpenstrasse, Zug, Switzerland.	A liquid container for flamable liquids.
80.	126597	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	Method of potentiating a foot and mouth disease vaccine emplyoing diethylaminoethyl-dextron.
81.	126598	20-4-1972	Do.	Production of inactivated antigens using ethylethyleneimine as inactivity agent.
82.	126626	15-5-1970	American Cyanamid Co:, Wayne, New Jersey, U.S.A.	Absorbable polyglycolic acid filaments useful as suture of enhanced in vivo strength retention.
83.	126635	20-4-1972	Bayer AG., Leverkusen, Federal Republic of Germany.	New phenyl imidazolyl fatty acid derivatives.
84.	126636	20-4-1972	Pfizer Corpn., Calle 15½ Avenida Santa Isabel, Colon, Republic of Panama.	Propanolamine derivatives.
85.	126649	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	Production of new pyrazolo (3, 4-2) (1,4) diazepin-7 (1H)-one compounds.
86.	126670	20-4-1972	Pfizer Corpn., Calle 15½ Avenida Santa Isabel, Colon, Panama.	New sulphonamides.
87.	126708	2-2-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Electroplating a heat flow meter.
88.	126786	23-5-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	Production of sulphur dioxide.
89.	126971	6-6-1970	I. C. I. Ltd., Imperial Chemical House, Millbank. London S.W.1.	Polymeric shaped articles.
90.	127321	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Separation of protein fraction from blood plasma.
91.	127483	9-7-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	Pure benzthiazyl sulphenamides
92.	127743	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Calchicine from a new plant source.
93.	127808	30-7-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	3-(4-chluopyrorolyl-1) coumarines.
94.	127824	31-7-1970	Tioxide Group Ltd., 10 Stratton St., London W 1. A.	Removal of iron from iron containing titaniferous material.
95.	128045	17-8-1970	Dorr-Oliver Inc., 77 Havemeyer Lane, Stamford, Connecticut, U.S.A	Precipitating phosphorous from sewage.
96.	128282	2-9-1970	Shell International Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Haque, Netherlands.	Fpoxidising olefins with hydroperoxides to obtain oxiane compounds.
97.	128324	8-9-1970	Dorr-Oliver Inc., 77 Havemeyer Lane, Stamford, Connecticut, U.S.A.	Method for the settling of scale forming suspensions such as those of red mud in alumina manufacture.
98.	128350	9-9-1970	BICC Ltd., &Another, 21 Bloomsbury Str., London W.C.1.	Polymer compositions.
99.	128406	14-9-1970	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Haque, Netherlands.	Monochloroacetamides.
100.	128449	16-9-1970	Uzina Chemical Carbaril, Copra Mica, Str., Vzioeler, Rumania.	Ornamental Plate of methyl polymethacrylate or copolymer.
101.	128460	17-9-1970	S. A. PRB Societe Anonyme Avenue de Brogueville 12, 1150 Brussels, Belgium.	Rust inhibitor.
102.	128511	21-9-1970	Shell Internationale Research Maatschappij Boulevard, 30Carel Van Bylandtlaan, Haque, Netherlands.	Preparation of 2-alkyl glyceral derivatives.
103.	128564	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at the River, Detroit, Michigan, U.S.A.	New Pyrrolidine compounds.
104.	128565	20-4-1972	Do.	Do.
105.	128651	29-9-1970	Cluett, Peabody & Co., Inc., 433 River Str., Troy, New York.	Mixing ammonia non volatile materials.
106.	128917	20-10-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	2-hydroxymethyl-3, 4, 5, 6-tetrachloro benzoic acid.

1	2	3	4	5
107.	128995	26-10-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	Vulcanisation retarders.
108.	129162	10-11-1970	Sheritt Gordon Mines Ltd., 25 King Str., West, Toronto, Ontario, Canada.	Extracting nickel and cobalt values from laterite ore.
109.	129251	17-11-1970	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	3, 8-disubstituted-4-oxo-perhydro (1,2-c piperazino pyrimidines.
110.	129252	20-4-1972	Do.	C_{15} and trans-3, 4-diphenyl-chzomans.
111.	129275	18-11-1970	Neyrpic-BMB, Rue General Mangin Grenoble, Isore, France.	Formation of a web from a suspension of particles.
112.	129336	21-11-1970	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	Titanium dioxide concentrated and iron oxide pigment from ilmenite.
113.	129354	20-4-1972	Do.	New cyanophenyl-1, dihydro-pyridine derivatives.
114.	129493	4-12-1970	Shell Internationale Research Maattschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Silica titania catalyst.
115.	129567	11-12-1970	Do.	Epoxidising olefins with hydroperoxides to produce oxirone compounds.
116.	129569	11-12-1970	Do.	Process for producing a substantially sulphur free gas stream from clous olf gases.
117.	129598	15-12-1970	Braunschweigische Maschinenbauanstalt, Am Alten Bahnhof 5, Braunschweig, West Germany.	Apparatus for comminuting sugar.
118.	129605	20-4-1972	Pfizer Corpn., Calle 15½ Avenida Santa Isabel, Colon, Republic of Panama.	Tertiary amines.
119.	129662	19-12-1970	Bayer AG., Leverkusen, Federal Republic of Germany.	Rubber stabilised and process for their production.
120.	129663	19-12-1970	Do.	Vulcanisation of ethybenepropybne terpolymer.
121.	129664	19-12-1970	Do.	Readily dispersible inorganic pigments.
122.	129749	28-12-1970	N. V. Bekaert S. A., Leo Bekaertstraat 1, B-8550 Zwevegem, Belgium.	Manufacture of steel wire coated by extrusion with polyethylene terephthalate.
123.	130088	28-1-1971	Solvay et Cie, 33, Rue de Prince Albert.	Zoigler-natta type cat Palyst.
124.	130173	4-2-1971	Bayer AG., Leverkusen, Federal Republic of Germany.	Sulphenamides.
125.	130176	4-2-1971	Halcon International Inc., 2 Park Avenue, New York.	Preparing glycol esters of defines.
126.	130202	6-2-1971	Sherritt Gordon Mines Ltd., 25 King Str., West, Toronto, Canada.	Controlled reduction roasting of nickeliferous iron oxide ores.
127.	130343	23-2-1971	I. C. I. Ltd., Imperial Chemical House, Millbank, London S.W. 1.	Reducing residual acidity of an ester product.
128.	130416	1-3-1971	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Selective removal of hydrogen sulphide from gases containing hydrogen sulphide and carbon dioxide.
129.	130541	20-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Salicylic acid from naphthalene.
130.	130626	18-3-1971	Bayer AG., Leverkusen, Federal Republic of Germany.	Purifying waste gases from the production of ammonium nitrite and reusing them for the production of ammonium carbonates.
131.	130637	19-3-1971	Do.	Titanyl sulphate solution.
132.	130647	20-3-1971	Do.	Separating magnetisable particles.
133.	130811	1-4-1971	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Polymerisation of olefins.
134.	130821	2-4-1971	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	Articles of natural or synthetic rubber comprising a non discolouring, anteaging composition.
135.	130924	19-4-1971	Queen's University at Kingston, Ontario, Canada.	Vortex Kclarifier for separation of fluid.
136.	130945	13-4-1971	Dorr-Oliver Inc., 77 Havemeyer Lane, Connecticut, U.S.A.	Benefaction of phosphate rock.
137.	131077	22-4-1971	Halcon International Inc., 2 Park Avenue, New York.	Preparing ethylene glycol esters.
138.	131078	22-4-1971	Do.	Preparing glycol esters from olefinically unsaturated compounds.
139.	131079	22-4-1971	Do.	Preparing glycol esters from ethylene and propylene.
140.	131215	4-5-1971	Solvay & Cie (Societe Anonyme) Rue du Prince Albert 33, B-1050, Brussels.	Polymerisation of olefins.

1	2	3	4	5
141.	131417	19-5-1971	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	Catalytic oxidation of SO_2 and SO_3.
142.	131282	7-5-1971	Shell Internationale Reserch Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Sulphur.
143.	131386	17-5-1971	Do.	Epoxidising olefins with hydroperoxide for producing oxirane compounds.
144.	131368	24-5-1971	Do.	Catalytic polymerisation of olefins.
145.	131469	24-5-1971	Do.	Isomerisation of alkylaromatic hydrocarbons.
146.	131486	25-5-1971	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	Preparation of iron oxide and hydrated iron oxide pigments.
147.	131509	27-5-1971	Explosives & Chemical Products Ltd., 31-35 Wilson Str., London E.C. 2.	Blasting explosives composition.
148.	131521	28-5-1971	Halcon International Inc., 2 Park Avenue, New York.	Polyethylene terephthalate.
149.	131545	31-5-1971	Do.	Glycol esters from olefinically unsaturated compounds.
150.	131606	5-6-1971	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Gamma ferric oxide.
151.	131653	20-4-1972	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	New aminophenylamidines.
152.	131654	20-4-1972	Do.	Production of new aminophenyl cycloamidines.
153.	131655	20-4-1972	Do.	New aminophenyl amidines and cycloamidines.
154.	131777	18-6-1971	'Air Liquidd, 75, Quai D' Orsay 75 Paris (eme)	Purifying hydrogen gas containing particularly Co as impurity.
155.	131853	20-4-1972	Orsymonde, 17 Faubourg Montmartre, Paris 9e.	Butyramidene derivatives.
156.	131894	28-6-1971	Frydonlundsveg, 2950 Vedback, Denmark.	Endothermic catalytic processes.
157.	131954	1-7-1971	USS Engineers & Consultants Inc., 525 Willian Penn Place, Pittsburgh Pennsylvania, U.S.A.	Apparatus for determining the oxygen content of a fluid comprising gas.
158.	131960	1-4-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Electropolishing of aluminium and its alloys.
159.	131967	2-7-1971	Bayer AG., 22C Leverkusen, Federal Republic of Germany.	Dyeing and printing of fibres and shaped articles.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	*&*	*Title of the invention*

76839 (20-4-72) Process for the production of a new imidazoline derivative and its acid additionsalt.

80931 (20-4-72) Process for the production of a new antibiotic designated 9671 RP.

85127 (20-4-72) Process for the production of N-(2, 3-dimethylphenyl) anthranilic acid.

92978 (20-4-72) Preparation of solasodine from solanum aviculare leaves.

102233 (20-4-72) Process of preparing 5-nitroimidazole derivatives.

103218 (20-4-72) The isolation of scillaren A.

110859 (20-4-72) Preparation of d-2-amino-1-butanol or the acid 1-tartrate thereof.

111003 (20-4-72) Process for preparing trimethylsilyl ethers.

111498 (20-4-72) A process for preparing 5-nitre imidazoles.

No.	*&*	*Title of the invention*

112137 (20-4-72) Process for preparing 3-indolyl acetic acids.

114536 (20-4-72) A process for producing controlled release feed additives for ruminants.

114931 (20-4-72) Process for the preparation of 1-n-butyl-2', 6'-pipeceloxylidide.

115246 (20-4-72) Process for preparing 5-nitroimidazoles.

116099 (20-4-72) Process for the preparation of the dextrorotatory 2, 2-(ethylenedimino)-Di-1-butanol.

117052 (20-4-72)) Production of novel esters derived from 5-nitro quinaldine and therapeutic compositions containing same.

117214 (20-4-72) Process for the resolution of dl-tetramisole.

119723 (20-4-72) Process for the preparation of new thionine derivatives.

124896 (20-4-72) Improvements to the synthesis of 2-hydroxy, 4-methylthio, butyronitrile.

126397 (28-4-70) Process for the preparation of a cation exchange resin, a cation exchange resin so prepared, an ion exchange membrane comprising said resin and a process for the fractionation of a solution using said membrane.

No.	*&*	*Title of the invention*

126702 (20-4-72) Process for the preparation of new benzofuran derivatives.

127250 (24-6-70) Process for the recovery of P-Xylene by crystallisation.

128153 (25-8-70) Process for protecting iron sponge pellets from oxidation.

129044 (30-6-71) Process for ammonia oxidation.

129354 (20-4-72) Process for the production of new cyanophenyl-1, 4-dihydropyridine derivatives.

129802 (20-4-72) A process for preparation of new alfa-aminooxy-carboxylic amide derivatives.

130010 (20-4-72) Process for the preparation of new salts of pyridioxine mono-esters.

130254 (15-2-71) A process for the manufacture of a synthetic elastomer suitable for use in commercial products such an vulcanized rubbery goods and surface coating compositions.

130469 (20-4-72) A process for obtaining a chemical preparation for oral administration of birds and mammals except humans for controlling endoparasites.

130488 (5-3-71) Process for the preparation of 3-[3′, 4′-dichloro-6′-alkylphenyl]-Δ_2 pyrazline derivatives.

131062 (21-4-71) Method for the porduction of building materials from moltan slags.

131367 (20-4-72) 2-substituted 1, 2, 3, 4, 6, 7, 12, 12 a-octahydropyrazino (2, 1 : 6, 1) pyrido (3, 4-b) indoles.

132447 (10-8-71) Process for the manufacture of bipyridyls.

133051 (25-9-71) Process for removing sulphur dioxide, nitrogen oxide and sulphuric acid vapor impurities from industrial fumes.

133325 (22-10-71) Novel process for the manufacture of benzimidazolone-(2).

133331 (23-10-71) Process for the production of disazomethine pigments.

134019 (20-12-71) A process for making silver powder by electrolysis.

134358 (20-4-72) Methods of producing α-methyl-i-adamantylmethylamine hydrochloride.

134374 (28-8-72) Improvements in or relating to the electrolytic reduction of p-nitrophenol to p-aminophenol.

134703 (22-5-73) Method of curing epoxy resins.

134860 (7-3-72) Hydrocarbon separation process.

134956 (16-3-72) Process for the production of ferrosilicon alloys.

135609 (4-7-72) Process for the preparation of new derivatives of 4-chloro-5-sulfamoyl-anthranilic acid.

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84742 85708 85872 86015 86102 86319 86514 86557 86578
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112455 112456 112473 112487 112675 112965 113807 113810
114184 114204 114231 114442 114485 114666 114667 114683
114874 115115 116285 116564 116762 117210 117404 117445
117468 117510 117843 118015 118033 118034 118092 118189
118313 118408 118478 118572 118593 118694 118993 119049
119125 119318 119630 119765 119816 119950 120509 120773
120998 121413 121779 121910 122024 122072 122324 122325
122344 122550 122568 122644 122645 122672 123205 123290
123491 123527 123642 123645 123692 124354 124466 124501
124503 124546 124693 124694 124745 124750 124812 124862
124947 125044 125127 125195 125225 125276 125381 125471
125481 125864 125882 125899 125928 125929 125930 125931
126109 126546 127255 127401 127559 127575 127618 122706
127749 127817 128036 128320 128397 128684 128858 129034
129035 129038 129055 129134 129150 129347 129451 129510
129511 129553 129615 129637 129682 129706 129724 129813
129824 129895 129940 129997 130060 130113 130241 130247
130346 130396 130416 130443 130461 130558 130788 130842
130977 131636 131783 131789 131823 131864 131943 132104
132245 132396 132397 132423 132445 132495 132694 132715
132761 132763 132846 132847 132894 132895 133001 133037
133090 133159 133309 133320 133321 133329 133367 133443
133448 133449 133488 133538 133659 133729 133922 134075
134078 134156 134171 134177 134291 134299 134374 134391
134415 134525 134713 134833 134840 134855 134871 135029
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135618 135887 135946 136103 136104 136109 136485 136492
136509 136560 136565 136684 136709 136710 136722 136723
136806 136808 136869 136899 136944 136960 136973 136985
137026 137046 137063 137074 137106 137108 137245 137263
137300 137321 137379 137389 137413 137486 137488 137489
137495 137508 137549 137596 137614 137618 137624 137630
137655 137761 137763 137798 137855 137870 137886 138024
138052 138057 138222 138240 138244 138269 138346 138350
138381 138469 138484 138491 138533 138548 138596 138717
138801 138804 138805 138920 139035 139136 139171 139213
139226 139251 139270 139299 139363 139478 139610 139619
139626 139679 139708 139728 139796 139803 139821 139824
139833 139862 139868 139869 139876 139888 139917 139949
139950 139957 139961 139966 140006 140034 140036 140082
140094 140100 140124 140129 140136 140162 140172 140186
140187 140202 140214 140218 140220 140221 140237 140246
140248 140263 140284 140298 140310 140321 140335 140346
140362 140366 140367 140368 140369 140375 140377 140378
140381 140382 140384 140393 140397 140400 140407 140419
140429 140432 140436 140437 140442 140458 140472 140483
140484 140489 140509 140545 140552 140564 140567 140584

140586 140602 140635 140640 140654 140688 140710 140814 140857 140867 140881 140916 140957 140973 141085 141143 141206 141254 141306 141379 141637

RESTORATION PROCEEDINGS.

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 125237 granted to Albany International Corp., for an invention relating to "improvements in forging apparatus". The patent ceased on the 11th February, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th June, 1977.

Any interested person may given notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 4th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of patent No. 140330 granted to The Director, I.I.T., for an invention relating to "large range digital micromanometer". The patent ceased on the 28th September 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 31st December, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 4th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140535 granted to Subramania Iyer Krishna Iyer for an invention relating to "housing structure having walling and roofing units". The patent ceased on the 30th October 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 31st December, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 4th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145449. Ashok Kumar Mahajan and Vidya Rani, both of 211, Adarsh Nagar, Jullundur-144008, State of Punjab (East) India, both Indian Nationals. "Tennis rackets". April 14, 1977.

Class 1. No. 145695. Sultana Toys, 1877, Basti Julahan, Idgha Road, Delhi-6, an Indian Proprietory Concern. "Toy". June 18, 1977.

Class 1. Nos. 145872 to 145877. Raja Mechanical Co. (Pvt.) Ltd., 33-Deputy Ganj, Delhi-110006, (An Indian National Company). "Doll". August 2, 1977.

Class 3. No. 145442. Naseer Gulamhusain Hemani, Indian National, of Comiss India Cosmetics, 405, Central Tin Works Building, Chinchpokli Cross Lane, Sussex Road, Byculla, Bombay-400027, State of Maharashtra, India. "Bottle". April 12, 1977.

Class 3. No. 145455. Vud Pak, Plot No. 324, Sector 24, Faridabad, Haryana, an Indian Partnership Concern. "Plywood box". April 16, 1977.

Class 3. No. 145457. Bombay Burma Plastics, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parel, Bombay-400013, Maharashtra, an Indian Partnership firm. "Jug". April 19, 1977.

Class 3. No. 145466. Vud Pak, Plot No. 324, Sector-24, Faridabad, Haryana, an Indian Partnership Concern. "Plywood box". April 20, 1977.

Class 3. No. 145467. Vud Pak, Plot No. 324, Sector-24, Faridabad, Haryana, an Indian Partnership concern. "Plywood box". April 21, 1977.

Class 3. No. 145476. P. S. Plastic Industries, at A/10, M.I.D.C. Industrial Estate, M.I.D.C. Post Office, Marol Cross Road—B. Street, No. 5, Bombay-400093, Maharashtra State, India, an Indian Partnership concern. "Caps (for containers)". April 23, 1977.

Class 3. No. 145511. Hari Bhagat, Indian National of 21/6, Hadapsar Industrial Estate, Hadapsar, Poona-411013, State of Maharashtra, India. "Laminar flow apparatus". May 5, 1977.

Class 3. No. 145569. Basant Rubber Factory Private Limited (A private Limited Company incorporated under the Indian Companies Act), Basant Court, Sion, Bombay-22, Maharashtra, India. "Buffer springs for railway". May 13, 1977.

Class 3. No. 145572. Federal Elektro System, 301/306, Auto Commerce House, Opp. : Jyoti Studio, Kennedy Bridge, Nana Chowk, Bombay-400007, Maharashtra, India, an Indian Partnership firm. "Air conveyor". May 13, 1977.

Class 3. No. 145592. Productive Plastics, an Indian Partnership Firm, at 206C, Block A, Dhanraj Industrial Estate, Sun Mill Road, Lower Parel, Bombay-400013, Maharashtra, India. "Bib". May 17, 1977.

Class 3. No. 145647. Galaxy Products, an Indian proprietorship Concern, 65, Canning Street, Calcutta-700001, West Bengal, India. "Container". June 2, 1977.

Class 3. No. 145652. Brahma Bharati Udyog, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parel, Bombay-400013, Maharashtra, an Indian Partnership firm. "Container". June 6, 1977.

Class 3. No. 145773. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, India, an Indian Partnership firm. "Coaster". July 1, 1977.

Class 4. No. 145632. Besterna Chemicals, an Indian partnership firm duly registered under the Indian Partnership Act, at No. 9, Jogani Industrial Estate, Off Tulsi Pipe Road, Dadar, Bombay-400028, State of Maharashtra, India. "A filtering medium or candle used in water filters". May 30, 1977.

S. VEDARAMAN
Controller-General of Patents, Designs and Trade Marks.

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